BRUHAT BANGALORE MAHANAGARA PALIKE
DASARAHALLI ZONE

Name of Work: Improvements to roads & drains at Difence colony 1st B cross road & Other cross roads near Brahmanara Sanga in Ward No 14, Bagalagunte

			Est. Cost Rs				15.00	Lakhs	
Sl.	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in **Ordinary soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.138/I.19.1 PW, P & IWTD -SR 2014-15)	Cum							
	CC drain		1	15.00	1.20	0.80	14.40		
	Desilting of drains		1	313.00	0.45	0.40	56.34		
							70.74	75.60	**5348.00**
	Basic Rate	70.00							
	Add Area Weightage 8%	5.60							
	Total	**75.60**							
2	**Removing B.S.Slab** of drain and stacking etc., complete Page No. 25/ Item No. 5.32/ PWD SR 2014-15	**Sqm**							
			1	313.00	0.90		281.70		
		Consider 60% Qty					169.02		
	Basic Rate	54.00					**112.68**	58.32	**6571.00**
	Add Area Weightage 8%	4.32							
	Total	**58.32**							
3	KSRB 4-1.3: Providing and laying in position **plain cement** concrete of mix M7.5 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3) PWD - SR 2014-15)	Cum							
			1	15.00	1.20	0.15	2.70		
			1	313.00	0.50	0.15	23.48		
			2	313.00	0.20	0.15	18.78		
	Basic Rate	4488.00					**44.96**	4847.04	**217899.00**
	Add Area Weightage 8%	359.04							
	Total	**4847.04**							

4	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix **M1:2:4 with** cement @240 kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.6) PW, P & IWTD - SR 2014-15)	Cum							
			2	15.00	0.15	0.80	3.60		
			1	15.00	1.20	0.10	1.80		
			1	313.00	0.50	0.075	11.74		
			2	313.00	0.20	0.05	6.26		
	Basic Rate	4933.00					**23.40**	5228.98	**122345.0**
	Add Area Weightage 6%	295.98							
	Total	**5228.98**							
5	**Refixing stone slabs** of drains and pointing in CM 1:3 etc complete Page No. 25/ Item No.5.33/ PWD SR 2014-15	**Sqm**							
		Qty Vide Iteam No 2					**169.02**	75.60	**12778.00**
	Basic Rate	70.00							
	Add Area Weightage 8%	5.60							
	Total	**75.60**							
6	**Providing Granite slabs** selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete 7.5 thick (P. 27 I. 5.31.1) Page No. 25/ Item No. 5.31.1/ PWD SR 2014-15	**Sqm**							
			Qty vied Item No 02				281.70		
		Deduct Availabe Qty Vide Iteam No 2					169.02		
	Basic Rate	592.00					**112.68**	639.36	**72043.00**
	Area Weightage 8%	47.36							
	Total	**639.36**							
7	KSRB 5-14 : Providing and constructing precast **concrete solid blocks** with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size **40x20x20** cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. **Page No. 25/ Item No. 5.27/ PWD SR 2014-15**	**Sqm**							
	1st B Cmp 4½ Brick 4 Brick 4½ Brick 5th Cr 6½ Cr		2	313.00	0.40		250.40		
	Basic Rate	920.00					**250.40**	993.60	**248797.00**
	Add Area Weightage 8%	73.60							
	Total	**993.60**							

8	KSRB 4.9.2 : Providing **T.M.T steel** reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. for TMT Bars Fe 500 Specification No.KBS 4.6.3 (Page No.17, Item No. 4.46.2) 2014-15	q							
	For Bottom & Sides		1	20.00	100.00	0.62	1240.00		
			1	150.00	2.40	0.62	223.20		
							1463.20		
						Say	**14.63**	7835.18	**114644.00**
	Basic Rate	7254.80							
	Add 8% A.W	580.38							
	TOTAL	7835.18							
9	KSRB 4-6.4 : Providing and removing **centering**, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (Page No.15, Item No. 4.31)	Sqm							
			4	15.00		0.80	48.00		
							48.00	292.68	**14049.00**
	Basic Rate	271.00							
	Add 8% A.W	21.68							
	TOTAL	292.68							
10	Supplying and fixing **precast** rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.	Sqm							
			1	15.00	0.90		13.50		
			1	40.00	0.90		36.00		
			1	313.00	0.90		281.70		
	Data Rates Approved by CE DZ enclosed						**331.20**	1600.00	**529920.00**

11	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 1[illegible]/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading **Page No. 150 Item No. 17.1 PWD SR 2013-14**	Cum							
			Qty Vide Item No. 1				**70.74**	78.24	**5535.00**
	Loading and Unloading Charges	62.20							
	Lead 4 KMs 2x1.28x4	10.24							
		72.44							
	Area Weightage @ 8%	5.80							
	Total	**78.24**							
12	KRIDL & Quality control Test Charges 11%						L.S		**150000.00**
13	Miscellaneous and UnforessenCharges						L.S		**71.00**
								Total	**1500000.00**
(Rupees.Fifteen Lakhs Only)									

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary

2 The Estimate is prepared as per the PW,P & IWTD -SR-2014-15

3 The Provision made in estimate are adequate and essential.

4 This area comes under BBMP limits.

J.N.C — 014-15-000036

P.Code - 1771 - Zaul Works

Assistant Engineer
Ward-14

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

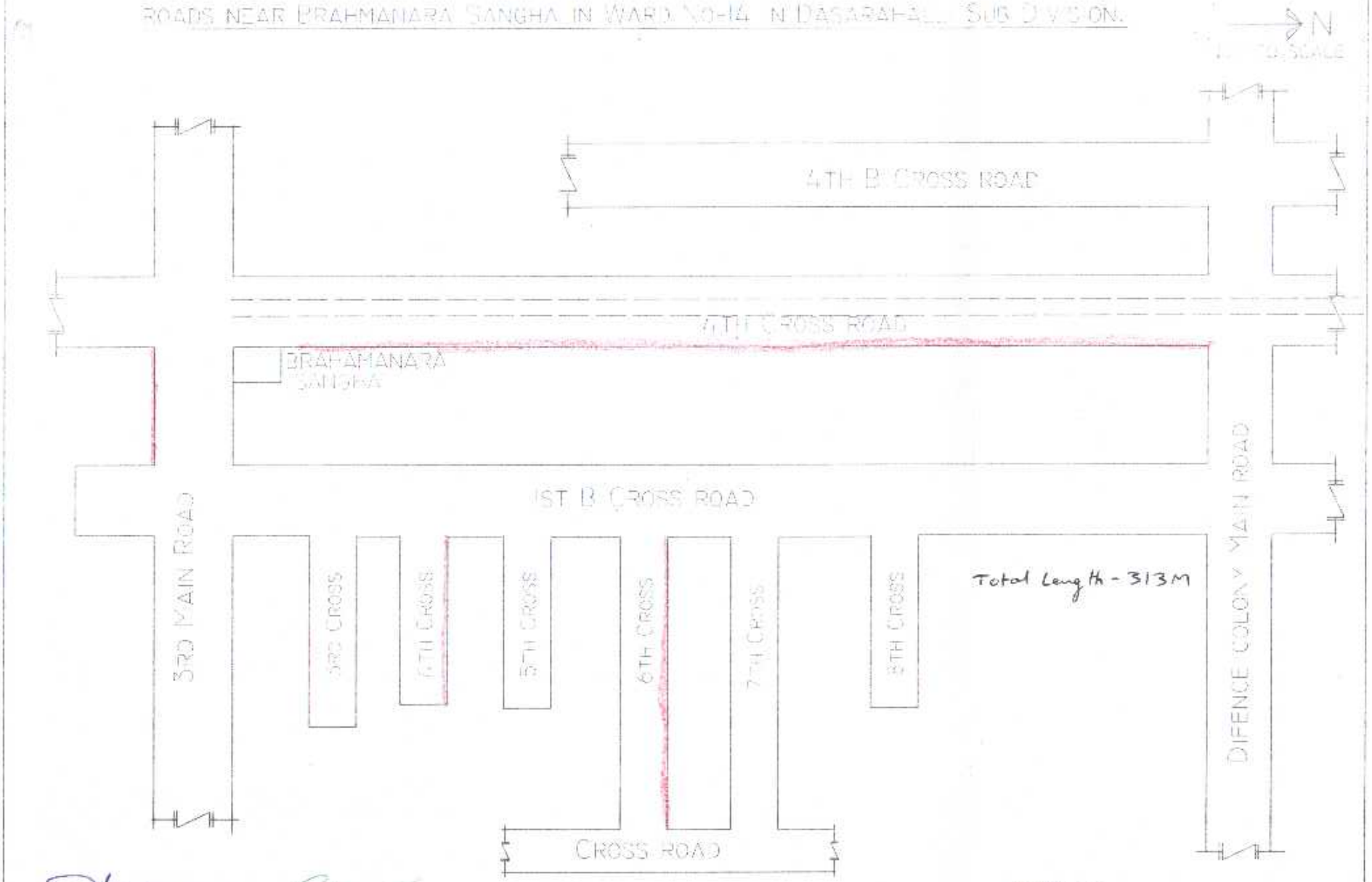
ಸಂ/CE/DZ/158/14-15
P1 29 ದಿನಾಂಕ : 20/03/2015
ರೂ.15,00000/- (ರೂ. ಹದಿನೈದುಲಕ್ಷ)
.....ಗಳ
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ಸಂ. EE/DT/TS/262/14-15 ದಿನಾಂಕ: 25/3/2015
ರೂ.15.00 Lakhs (Rupees Fifteen Lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಅಧೀಕ್ಷಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೆಂಗಳೂರು ನಗರ, ಬೆಂಗಳೂರು

25/3

SKETCH SHOWING IMPROVEMENTS TO ROADS AND DRAINS AT DEFENCE COLONY 1ST B CROSS ROAD & OTHER CROS

ROADS NEAR BRAHMANARA SANGHA IN WARD NO-14 N DASARAHALLI SUB DIVISION.



Asst Engineer
Ward No-14

Asst Executive Engineer
Dasarahalli Sub-Division
B.B.M.P

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— COVERING SLABS
Length 313 M